

TRI-VALLEY TRIANGLE TRAFFIC STUDY
HYBRID ALTERNATIVE DESCRIPTIONS
July 13, 2006

At the June 30, 2006 combined TAC and PAC workshop to develop a hybrid alternative, two hybrid alternatives were requested for study. Hybrid Alternative 1 would make improvements to I-580 and I-680. Hybrid Alternative 2 would add improvements to SR 84 and modify the I-680/SR 84 Interchange and a southbound auxiliary lane from SR84 to the climbing lane at Andrade Road to the Hybrid Alternative 1. The Future Base Alternative is considered the baseline condition for each of the alternatives. More detailed descriptions for each of the hybrid alternatives follows:

| HYBRID ALTERNATIVE 1 | |
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| Route | Component |
| 580 | <ul style="list-style-type: none"> • Right of Way Protection for BART |
| 580 WB | <ul style="list-style-type: none"> • Adds HOV/HOT lane from near Greenville Road to Foothill Road • Adds auxiliary lanes between North First Street and Isabel Avenue |
| 580 EB | <ul style="list-style-type: none"> • Extends HOV (or HOT) lanes from Foothill Road to near Hacienda Drive • Adds mixed-flow lanes from west of the Santa Rita Road interchange to near Greenville Road • Adds a climbing lane from near Greenville Road to east of North Flynn Road |
| 580 /680 Connector | <ul style="list-style-type: none"> • Adds a median to median direct connection from WB 580 to SB 680. The connection will provide 1 mixed-flow and 1 HOV/HOT lane on the connector, be ramp metered, and will retain access to/from Stoneridge Drive to/from 680. |
| 680 SB | <ul style="list-style-type: none"> • HOV/HOT lane and ramp metering from Alcosta Boulevard to SR84 |
| | <ul style="list-style-type: none"> • HOV/HOT lane and ramp metering from Alameda Creek to Alcosta Boulevard |

| HYBRID ALTERNATIVE 2 | |
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| Route | Component |
| 580 | <ul style="list-style-type: none"> • Right of Way Protection for BART |
| 580 WB | <ul style="list-style-type: none"> • Adds HOV/HOT lane from near Greenville Road to Foothill Road • Adds auxiliary lanes between North First Street and Isabel Avenue |
| 580 EB | <ul style="list-style-type: none"> • Extends HOV (or HOT) lanes from Foothill Road to near Hacienda Drive • Adds mixed-flow lanes from west of the Santa Rita Road interchange to near Greenville Road • Adds a climbing lane from near Greenville Road to east of North Flynn Road |
| 580 /680 Connector | <ul style="list-style-type: none"> • Adds a median to median direct connection from WB 580 to SB 680. The connection will provide 1 mixed-flow and 1 HOV/HOT lane on the connector, be ramp metered, and will retain access to/from Stoneridge Drive to/from 680. |
| 680 SB | <ul style="list-style-type: none"> • HOV/HOT lane and ramp metering from Alcosta Boulevard to SR84 • Add an auxiliary lane from SR84 to tie into climbing lane at Andrade Road. |
| 680 NB | <ul style="list-style-type: none"> • HOV/HOT lane and ramp metering from Alameda Creek to Alcosta Boulevard |
| SR84 | <ul style="list-style-type: none"> • Widen SR84 between 680 and Pigeon Pass to provide two lanes of travel in each direction • Reconstruct connection from WB SR84 to SB 680 |